Figure 1—A common cooperative target
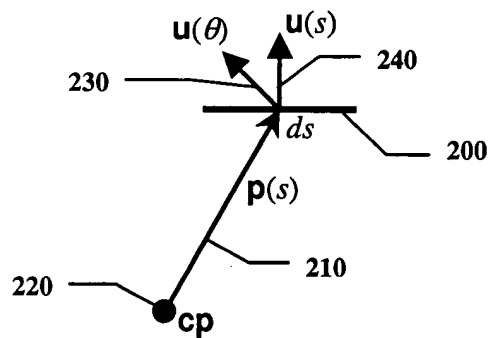

Figure 2. Element of figure of merit
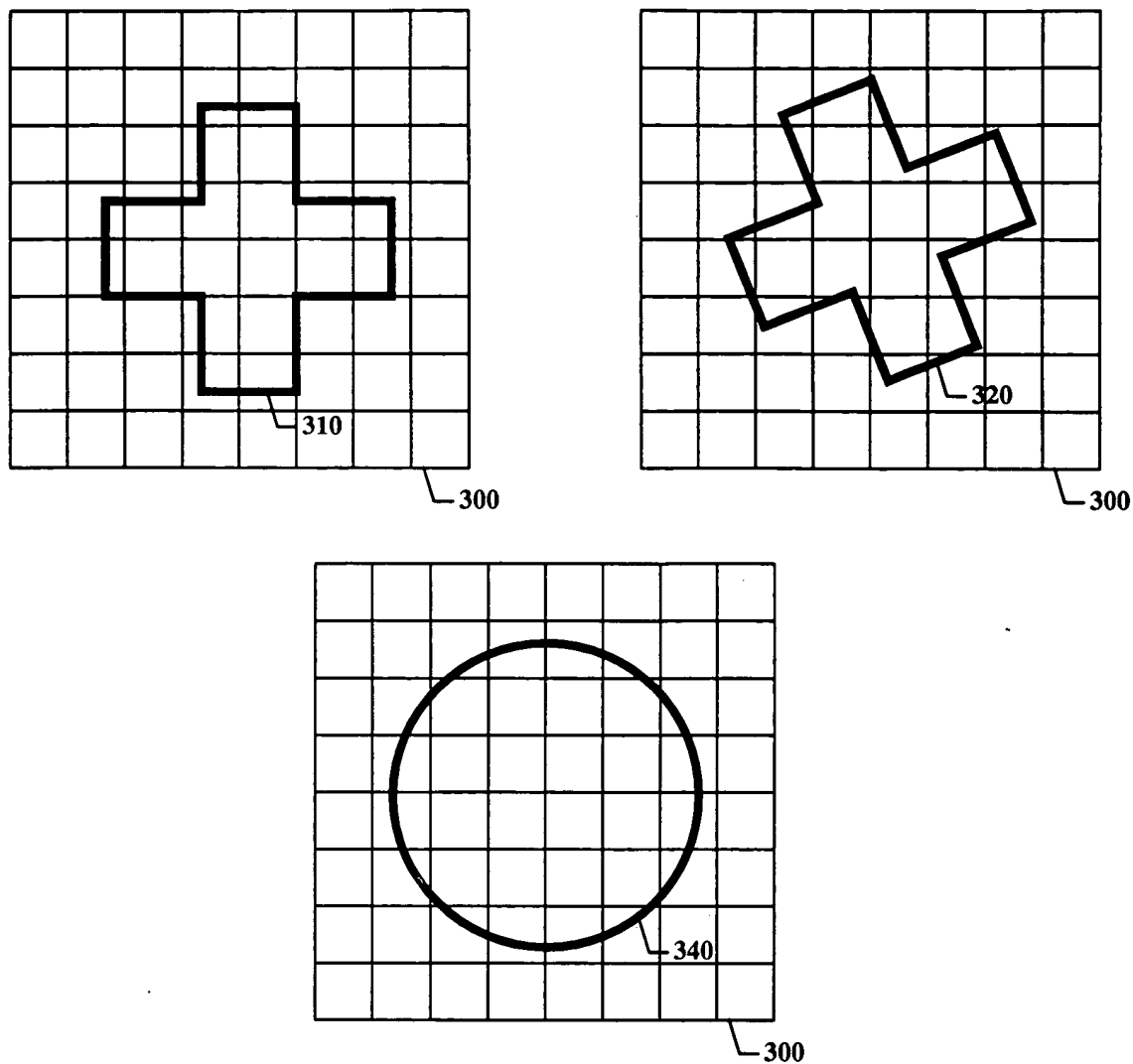
Figure 3—Illustration of grid degeneracy
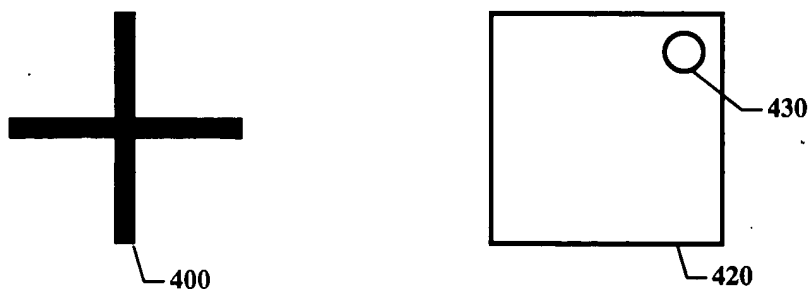

Figure 4—Illustration of speed criteria

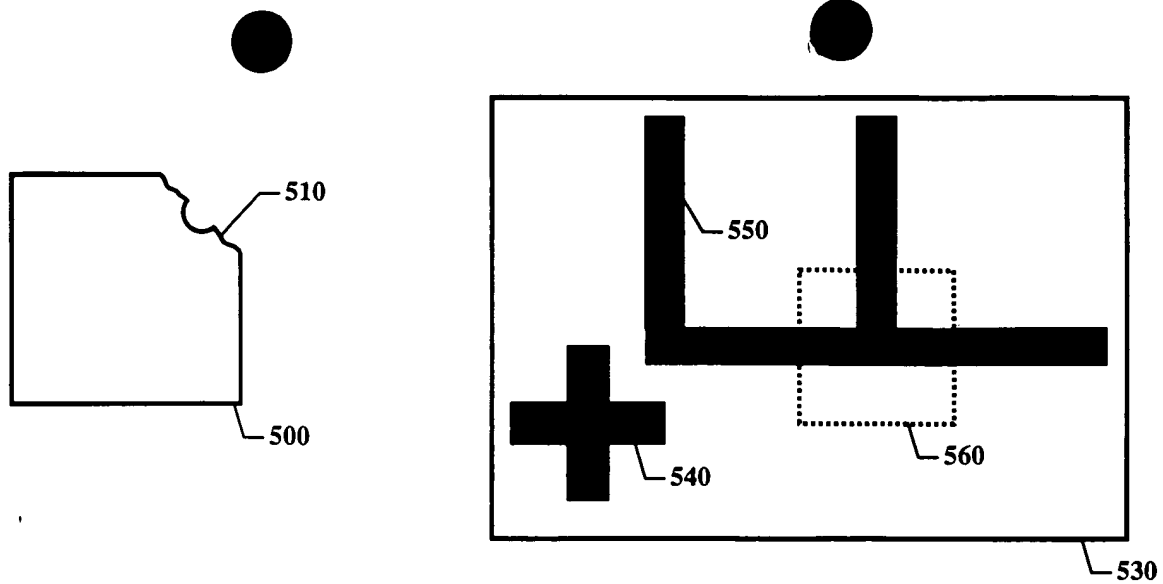**Figure 5—Illustration of yield criteria**

$$u = |x| - (r - c)$$

$$v = |y| - (r - c)$$

$$f(x, y) = c - \sqrt{u^2 + v^2} \qquad u \geq 0 \text{ and } v \geq 0$$

$$f(x, y) = r - |x| \qquad |x| \geq |y|$$

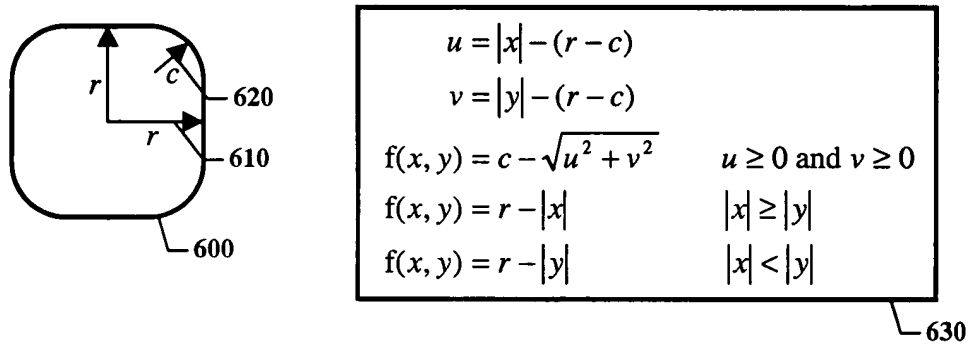$$f(x, y) = r - |y| \qquad |x| < |y|$$

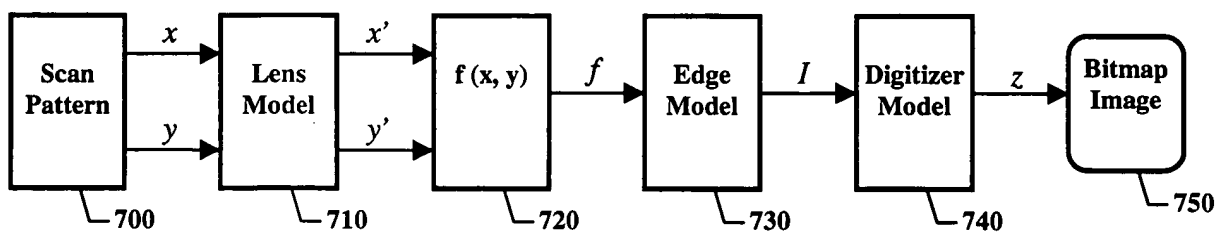**Figure 6—Targets defined algebraically are easy to use**
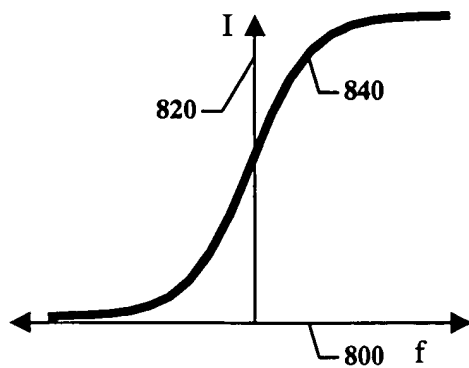

Figure7—Target rendering method

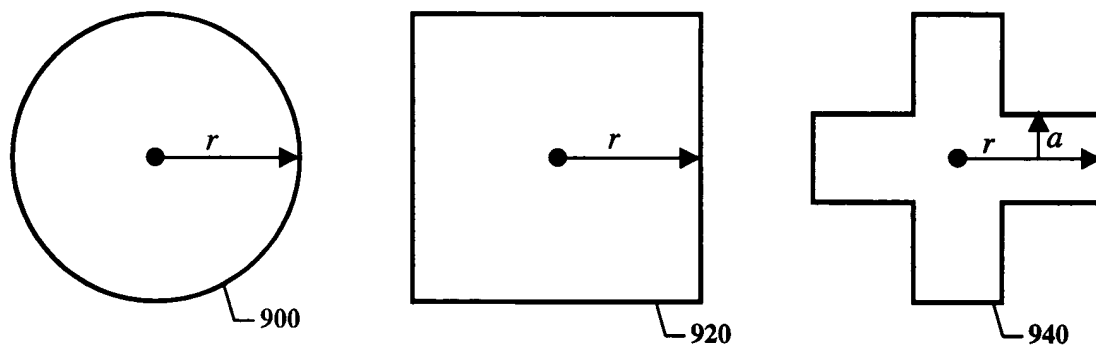**Figure 8—Intensity profile function used in target rendering method**
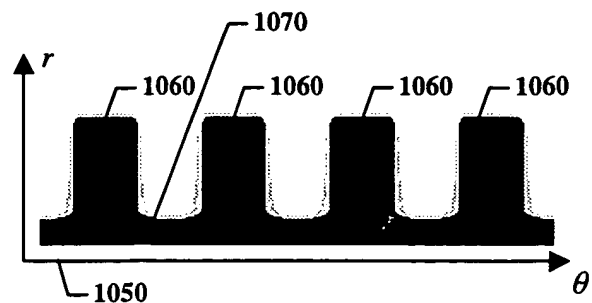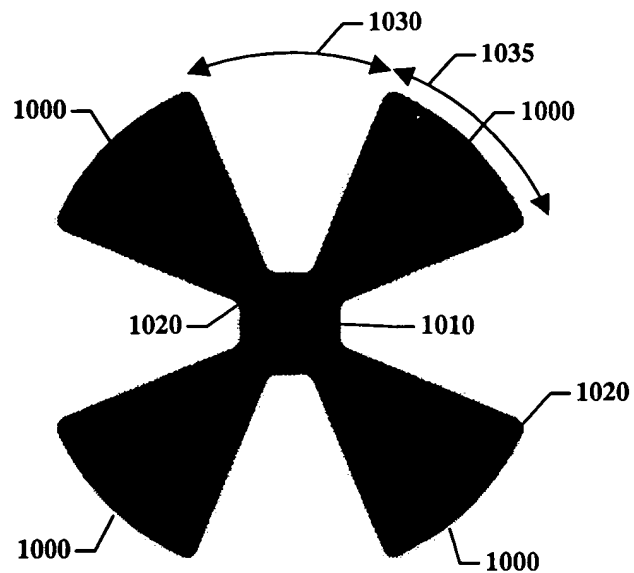
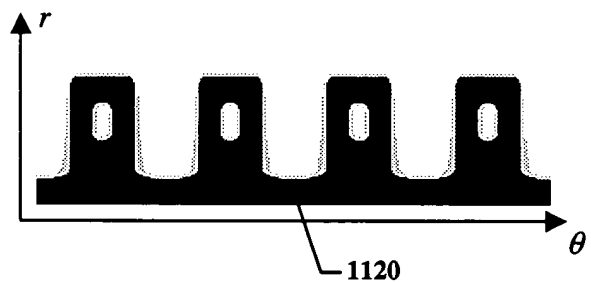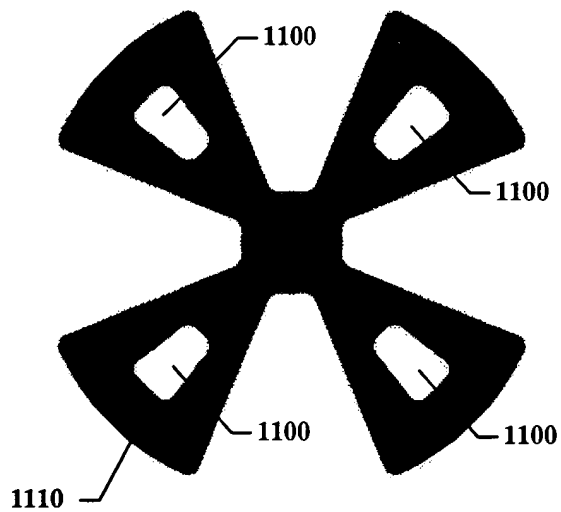

Figure 9—Common alignment targets
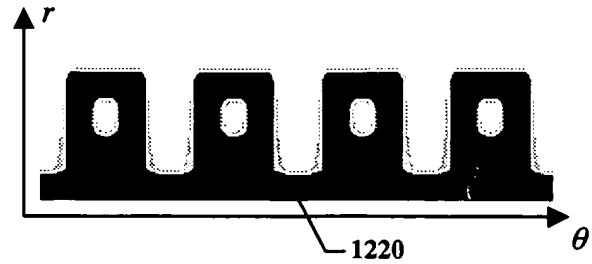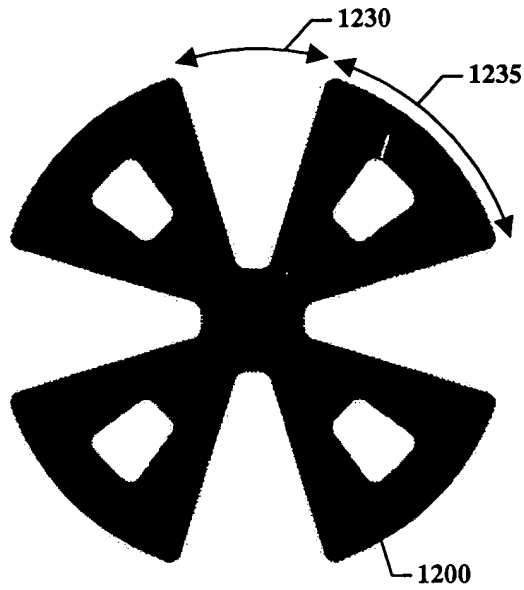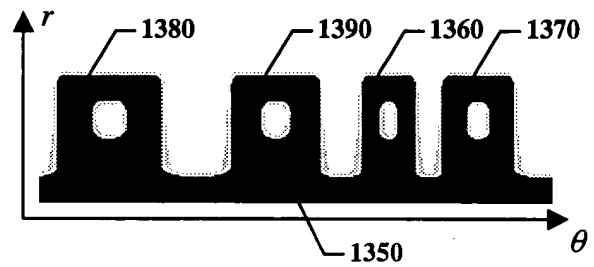
Figure 10—Primitive fan

Figure 11—Simple fan

Figure 12—Balanced fan
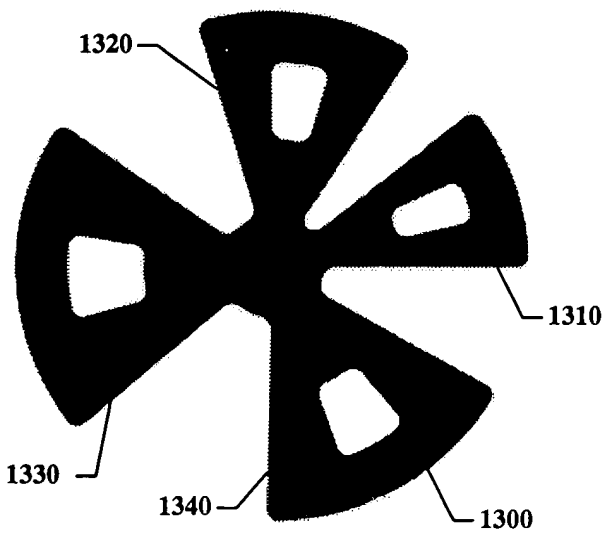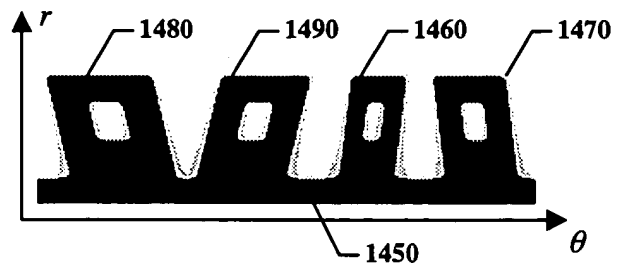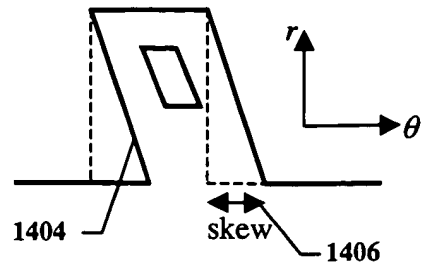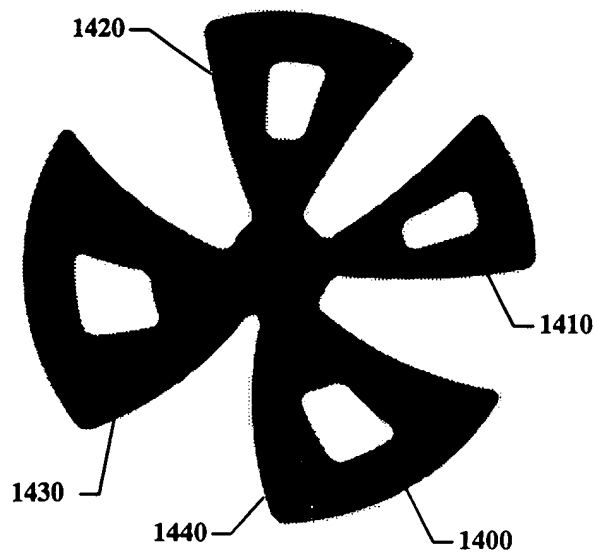

Figure 13—Balanced asymmetric fan

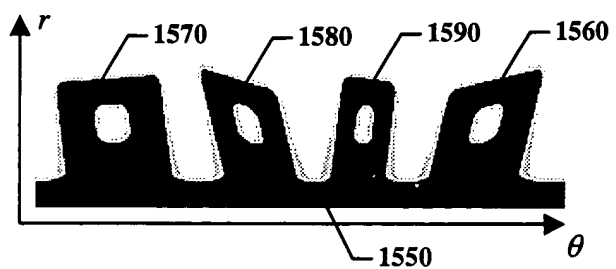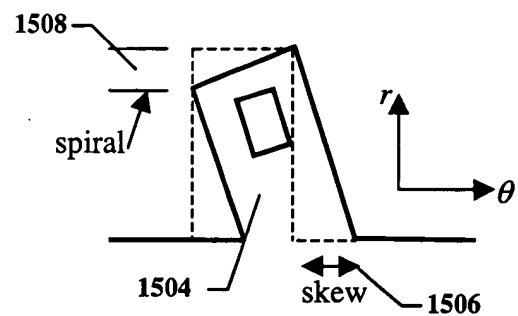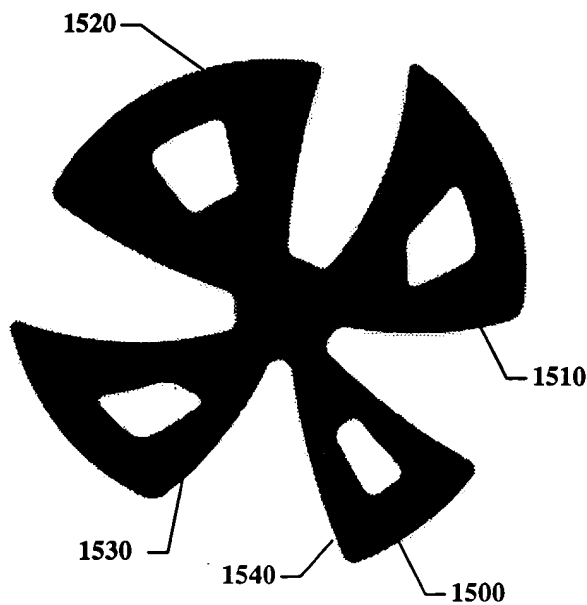Figure 14—Balanced radically asymmetric fan, step 1
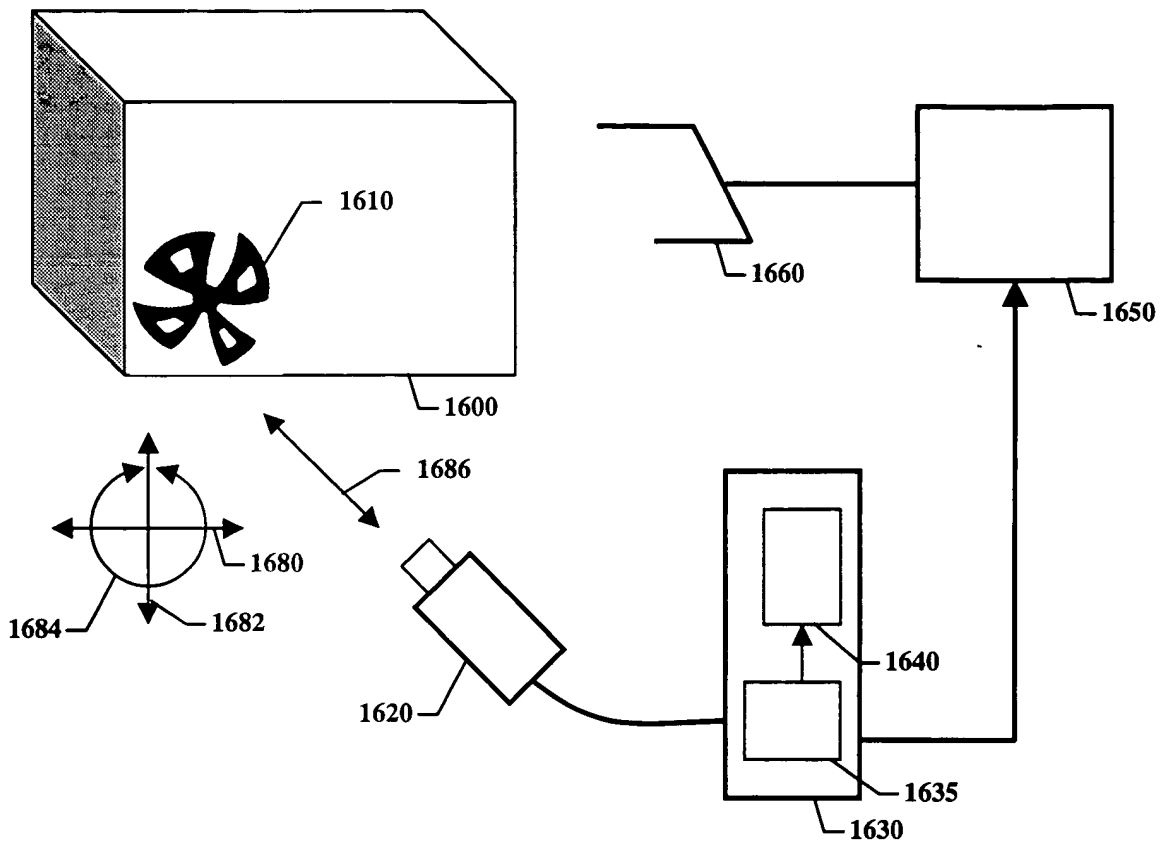

Figure 15—Balanced radically asymmetric fan (UAT)

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Figure 16—Apparatus for locating objects using a UAT